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(37 CFR 1.98(ecessary)		FILING DAT August 19,
			U.S. PATEN	T DOCUMENTS
EXAMINER INITIAL	PATENT NUMBER	I SSUE DATE		PATENTEE

ATTY. DOCKET NO.
09650/005001

SERIAL NO.
09/136,868

APPLICANT
Ronald P. Knockeart et al.

DATE GROUP

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AA	4	7	9	6	1	9	1	01/03/89	Honey et al.			
AB	5	3	1	1	1	9	5	05/10/94	Mathis et al.			
AC	5	5	0	4	4	8	2	04/02/96	Schreder			
AD	5	5	4	3	7	8	9	08/06/96	Behr et al.			
AE	5	5	5	9	5	5	1	09/24/96	Ito et al.			
AF	5	5	6	5	8	7	4	10/15/96	Rode			
AG	5	5	8	7	9	1	1	12/24/96	Asano et al.			
AH	5	6	1	2	8	8	1	03/18/97	Moroto et al.			
IA	5	6	4	2	1	0	6	06/24/97	Hancock et al.			
AJ	5	8	7	5	4	1	2	02/23/99	Sulich et al.			
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	DOCUMENT NUMBER	PUBLICATION DATE		CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AL	WO 96/07110	03/07/96	PCT				
АМ	EPO 379 198 A	07/25/90	Europe				
AN							
OA							
AP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

		Abstract: Publication No. 63300399, Publication Date: 07/12/88, Title: Navigation System
	AQ	
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EXAMINER DATE CONSIDERED

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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U.S. Department of Commerce Patent and Trademark Office Attorney's Docket No. 09650-005001

Application No. 09/136,868

Information Disclosure Statement by Applicant (Use several sheets if necessary)

Applicant
Ronald P. Knockeart et al.

Filing Date

Group Art Unit

(37 CFR §1.98(b))

August 19, 1998

U.S. Patent Documents								
Examiner		Patent					Filing Date	
Initial	ID _	Number	Issue Date	Patentee			If Appropriate	
	AA	5,563,607	10/08/96	Loomis et al.	342	357	ļ	
	AB	5,539,645	07/23/96	Mandhyan et al.	364	438	ļ	
	AC	5,334,986	08/02/94	Ferhout	342	357		
	AD	5,243,528	09/07/93	Lefebv re	364	449	l	
	AE	5,072,395	12/10/91	Bliss et al.	364	443		

	Foreig	n Patent Doc	uments or P	ublished Foreign	Patent A	Application)S	
Examiner Initial	Desig.		Publication Date	Country or Patent Office		Subclass		lation No
	AF	96/21193	07/11/96	WO				
	AG	96/00373	01/04/96	WO				
	AH	0 786 646 A2	07/30/97	Euro pe				
	Al	0 354 684	02/14/90	Euro pe				
	AJ	0 349 652	01/10/90	Europe				
	AK	41 39 581 A1	06/03/93	Germany				
	AL	43 00 927 A1	07/21/94	Germa ny				

Other D	ocuments (include Author, Title, Date, and Place of Publication)
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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 09650-005001	Application No. 09/136,868	
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U.S. Patent Documents							
Examiner	Examiner Desig. Patent Initial ID Number			Patentee Patentee	Class	Subclass	Filing Date If Appropriate
initial	AA	4733356	Issue Date 03/22/88	Haeussermann, et al.	Class	Subciass	ii Appropriate
	AB	4954958	09/04/90	Savage, et al.			
	AC	5025261	06/18/91	Ohta, et al.	 		
	AD	5043902	08/27/91	Yokoyama, et al.	 		
	AE	5172321	12/15/92	Ghaem, et al.	1		
	AF	5239700	08/24/93	Guenther, et al.			
	AG	5278759	01/11/94	Berra, et al.			
	AH	5311434	05/10/94	Tamai			
	AI	5323321	06/21/94	Smith			
	AJ	5452212	09/19/95	Yokoyama, et al.			
	AK	5475599	12/12/95	Yokoyama, et al.			
	AL	5515284	05/07/96	Abe			
	AM	5610821	03/11/97	Gazis, et al.			
	AN	5635953	06/03/97	Hayami, et al.			
	AO	5648768	07/15/97	Bouve			
	AP	5648769	07/15/97	Sato, et al.			
	AQ	5651056	07/22/97	Eting, et al.			
	AR	5659476	08/19/97	LeFebvre, et al.			
	AS	5794164	08/11/98	Beckert, et al.			
	AT	5808566	09/15/88	Behr, et al.			
	AU	5922041	07/13/99	Anderson			
	AV	5924075	07/13/99	Kanemitsu			
	AW	5938721	08/17/99	Dussell, et al.			
	AX	5951620	09/14/99	Ahrens, et al.			
	AY	5959577	09/28/99	Fan, et al.			
	AZ	6070124	05/30/00	Nimura, et al.			
	AAA	6124826	09/26/00	Garthwaite, et al.			

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if no	it in conformance and not considered. Include copy of this form with

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. Application No. 09650-005001 09/136,868				
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(Use several sheets if necessary) (37 CFR §1.98(b))		Filing Date Group Art Unit August 19, 1998 3662				

U.S. Patent Documents								
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate	
	ABB	6131064	10/10/00	Vieweg				
	ACC	6216086	04/10/01	Seymour, et al.				

	Foreig	n Patent Doc	uments or P	ublished Foreign F	atent /	Application	าร	
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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. Application No. 09650-005001 09/136,868				
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	U.S. Patent Documents								
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclas s	Filing Date If Appropriate		
	AA	5,559,707	09/24/96	DeLorme et al.					
	AB	5,638,280	06/10/97	Nishimura et al.					
	AC	5,774,824	06/30/98	Streit et al.					
	AD	5,802,492	09/01/98	DeLorme et al.					
	AE	5,848,373	12/08/98	DeLorme et al.					
	AF	5,862,500	01/19/99	Goodwin					
	AG	5,948,040	09/07/99	DeLorme et al.					
	AH	6,009,403	12/28/99	Sato					
	AI	6,032,089	02/29/00	Buckley					
	AJ	6,075,467	06/13/00	Ninagawa					
	AK	6,076,041	06/13/00	Watanabe					
	AL	6,141,609	10/31/00	Herdeg et al.					
	AM	6,249,767	06/19/01	Okayama et al.					

	Foreign Patent Documents or Published Foreign Patent Applications									
Examiner		Translation								
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No		
	AN	0 317 181 B1	05/24/89	Europe						
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Substitute Disclosure Form (PTO-1449)

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				U.S. PATENT DOCUME	NTS				
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		Notice of Refer	onces Cited	!	09/1368	68	KNO	CKEAR	T	et AL
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L					tt. 15	LUM	1	3662	Page	or
				U.S. PAT	ENT DOCUMEN	TS				
*		DOCUMENT NO.	DATE			NAME			CLASS	SUBCLASS
	A	6169515	1-2-01	MAN	INING	S.	ET	AL	342	357.
L	В	5364093	11-15-94	HU:	STON	E-	TAI	_		
L	С	5955973	9-21-99	ANT	SERSC	CN			340	988
	D	5394 333	2-28-95	·KA					340	990
L	E	5243528	9-7-93	LE	FEBY	RE			340	938
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Application/Control No. Applicant(s)/Patent Und r Reexamination 09/136,868 KNOCKEART ET AL. Notice of References Cited Art Unit Examiner Page 1 of 1 Theodore M. Blum 3662 **U.S. PATENT DOCUMENTS** Document Number Date Classification Country Code-Number-Kind Code MM-YYYY O'Shea US-6,324,472 11-2001 701/211 US-5,802,492 09-1998 В DeLorme et al 701/200 US-Ç US-D Ε US-F US-US-G н US-USı US-J US-Κ US-L UŞ-М FOREIGN PATENT DOCUMENTS Document Number Country Code-Number-Kind Code Date Classification Country Name MM-YYYY Ν 0 P Q R s Т **NON-PATENT DOCUMENTS** Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages) U ٧

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)

Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

U.S. Patent and Trademark Office PTO-892 (Rev. 01-2001)

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